

# INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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SECRET

COUNTRY Hungary

REPORT

25X1

SUBJECT

Ganz Electric

DATE DISTR.

29 March 1957

25X1

Apparatus Plant, Budapest: Short

NO. PAGES

1

REQUIREMENT NO.

RD

REFERENCES

25X1

DATE OF INFO.

PLACE & DATE ACQ

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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a two-page report on the Ganz Electric Apparatus Plant in Budapest. The report contains information on:

- the products of the Ganz plant
- exports of its products to the USSR
- the work of its research laboratories.

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC									
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**SECRET**Economic/Scientific.

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The Central Industrial Electrical Laboratory,  
BUDAPEST and the GANZ Factory.

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1. The Central Industrial Electrical Laboratory (Villamosipari Kozponti Kutato Intezet) is part of the research department of the GANZ works. It is located at Jozsef Attila Utc 2, BUDAPEST 5, between ANDRASSY Utc and the Chain Bridge. The remainder of the research department of GANZ is located within the factory. The whole GANZ complex is under the jurisdiction of the Ministry of Heavy Engineering.

2. The Jozsef Attila laboratory is concerned with the design of heavy electrical equipment—generators, transformers, switch-gear etc. — almost wholly for power supply purposes. It employs about 80 persons of whom about 25 are diplomated electrical engineers.

the main work carried out for some time before the revolution was on the design of a 50 MW. generator.

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Other research work in progress was concerned with automatic control equipment for electrodes used in electric arc furnaces for the steel industry and for control equipment for rolling mills. All employees at the laboratory were free to visit any other parts of the laboratory; there were no security precautions whatever as no work of defence significance was undertaken.

3. The other research laboratory of GANZ, which was within the main factory area, employed about 50 persons. The majority of the technically trained staff were chemists or chemical engineers, whose main occupation was research into the production of insulation for switch-gear, power transmission system and cables. Their work was largely concerned with finding adequate substitute materials in an effort to make good the shortage of accepted insulating materials, particularly ceramics, which were in very short supply. Considerable effort was also devoted to finding means of using Aluminium in place of copper described as being in critically short supply.

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**SECRET**4. Personnel.

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There were no Russians working permanently at wither of  
 /over...

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[redacted] 25X1  
the GANZ laboratories, but visitors from all of the Soviet  
bloc countries were frequently taken round both establishments.  
The Director of Research at GANZ was Professor URBANEK (?Laszlo).  
A physicist who [redacted] worked at the 25X1  
Laboratory at the factory. The head of the Jozsef Attila  
Laboratory was GADOR, Laszlo. [redacted]  
[redacted] 25X1

5. The GANZ Factory.

This is the only factory in HUNGARY making generators for  
the Electric Power Supply industry. The most important products  
were 50 Mw. and 32 Mw. generators. [redacted]

[redacted] estimated 25X1  
that about 12 32 Mw. generators were produced annually of  
which 8 or 9 were exported to the U.S.S.R. [redacted]

[redacted] the price paid by the U.S.S.R. was based on the 1939 [redacted] 25X1  
price.

6. Another product of the factory was the KANDO electric  
traction motor. This worked on a 50 c.p.s. supply and speed  
regulation was effected by varying the frequency in discrete  
steps from 25-50-75.....125 c.p.s. These motors were made in  
horse powers up to 3,000 and two or three of the latter had been  
used on the Hungarian Railways. They had, however, proved  
rather unreliable owing to insulation problems.

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